

Clinical Trial Protocol

Iranian Registry of Clinical Trials

22 Jun 2026

Comparison of the effect of standard patient-based training and video training on the skill of measuring the level of consciousness among nursing students

Protocol summary

Study aim

Comparison of the effect of standard patient-based training and video training on the skill of measuring the level of consciousness in students

Design

In this study, which is a randomized clinical trial; nursing students qualified to enter the study were selected by available sampling method. Then, using the Rand Between command in the Excel program, they were randomly assigned to two control and intervention groups.

Settings and conduct

This study was conducted in the Faculty of Nursing and Midwifery of Shahid Sadoughi University of Yazd. Theoretical basics were presented to all students using PowerPoint. Then video training and standard patient training were done separately for each of the two groups to compare the level of consciousness among nursing students.

Participants/Inclusion and exclusion criteria

The criteria for entering the study include passing 80% of the special units according to the schedule of the faculty and the willingness to participate in the study, and the criteria for not entering the study include not participating in similar training courses in the past year.

Intervention groups

The control group included video training and the intervention group included the use of a standard patient in training to measure the level of consciousness among students

Main outcome variables

The skill of checking the level of consciousness

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20230814059140N1**

Registration date: **2023-08-23, 1402/06/01**

Registration timing: **prospective**

Last update: **2023-08-23, 1402/06/01**

Update count: **0**

Registration date

2023-08-23, 1402/06/01

Registrant information

Name

Faezeh Soltanian Telkabadi

Name of organization / entity

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2023-09-05, 1402/06/14

Expected recruitment end date

2023-12-20, 1402/09/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the effect of standard patient-based training and video training on the skill of measuring the

level of consciousness among nursing students

Public title

Comparison of the effect of using a standard patient and video training in teaching the level of consciousness to students

Purpose

Other

Inclusion/Exclusion criteria

Inclusion criteria:

Students who have passed 80% of the dedicated units according to the timetable of the Faculty of Nursing and Midwifery Students are willing to participate in the study

Exclusion criteria:

Failure to participate in a similar training course in the past year

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 70

Randomization (investigator's opinion)

Randomized

Randomization description

Students were randomly assigned to two study groups using the Rand Between command in Excel

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Shahid Sadoughi University of Yazd

Street address

Central Building of Shahid Sadougi University of Medical Sciences , Yazd Bahonar Square

City

Yazd

Province

Yazd

Postal code

8916978477

Approval date

2023-05-09, 1402/02/19

Ethics committee reference number

IR.SSU.REC.1402.010

Health conditions studied

1

Description of health condition studied

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

The skill of measuring the level of consciousness

Timepoint

Before the intervention and immediately after the intervention

Method of measurement

OSCE exam

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: the standard patient was used. The standard patient education and standardization process included four stages and six face-to-face sessions. Four people acted as standard patients, who were selected from nursing students without any medical background. 2 hours of their training, including explaining the study objectives; standard patient performance assessment; Designing a simulation scenario and then executing the scenario by the patient was standard. The participants were divided into three groups of 11-12 people in order to have a suitable ratio of students to instructors. After teaching the basics of theory with PowerPoint, for the practical part, the training was conducted in the clinical skills center with the help of a standard patient. This training process was carried out in one hour. In this way, the first 30 minutes of the session were considered to remind the rules related to interaction with the standard patient and the goals of the session and to review the training of GCS measurement skills by the trainer with the help of the standard patient, 20 minutes of the session for practice by the participants and 10 minutes of questions. , response, feedback and bug fixes were considered. It should be noted that during the practice, the standard patient was asked to perform the response based on the pre-designed scenario so that the students would get familiar with the scoring items. The professor stood next to the bed and started checking with a standard patient. 5 stations and 5 examiners were present at this stage. One standard patient and one

examiner were present at each station, which consisted of 4 practical stations, one written station, and 4 scenarios. In the fifth station, three written level questions Vigilance was answered by the examiners. The assessment of the skill level was through the OSCE test

Category

N/A

2**Description**

Control group: After teaching the basics of theory by presenting PowerPoint, The training video was prepared in such a way that the professor stood next to the bed and started checking motor responses with a standard patient; Verbally and visually. And it was broadcasted to groups of 11 students. In addition, three scenarios were prepared and implemented for students to practice, which included visual, verbal and movement responses in each scenario. After showing the prepared video about how to check the level of consciousness of the patients, the scenarios were shown to the students and they were asked to write down their answers on the sheet. Then one of the student volunteers was asked to explain his answer to the others.

Category

N/A

Recruitment centers**1****Recruitment center****Name of recruitment center**

Faculty of Nursing and Midwifery, Shahid Sadoughi University of Medical Sciences, Yazd

Full name of responsible person

Faezeh Soltanian Telkabadi

Street address

Faculty of Nursing and Midwifery, Shahid Sadoughi University, Yazd.in front of the infertility center, Bo Ali St.,Timsar Falahi St.

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Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Yazd University of Medical Sciences

Full name of responsible person

Dr. Amin salehi abarghouie

Street address

Vice President of Research and Technology Shahid Sadoughi, Yazd: Imam Reza educational research complex , first student boulevard , Imam Hossein square

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Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Yazd University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

Academic

Person responsible for general inquiries**Contact****Name of organization / entity**

Yazd University of Medical Sciences

Full name of responsible person

Faezeh Soltanian Telkabadi

Position

Master's degree student

Latest degree

Bachelor

Other areas of specialty/work

Nursery

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Person responsible for scientific inquiries**Contact****Name of organization / entity**

Yazd University of Medical Sciences

Full name of responsible person

Dr. Mostafa Javadi

Position

Associate Professor

Latest degree

Ph.D.

Other areas of specialty/work

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Person responsible for updating data**Contact****Name of organization / entity**

Yazd University of Medical Sciences

Full name of responsible person

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Position

Master's degree student

Latest degree

Bachelor

Other areas of specialty/work

Nursery

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Sharing plan**Deidentified Individual Participant Data Set (IPD)**

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD

There is no further information.

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

No - There is not a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available